CALL TO THE PARTY OF THE PARTY Scientist Sees 5 Keys To Cancer Cause, Cure

By ALTON BLAKESLEE
Associated Press Science Writer
MINNEAPOLIS, Sept. 14.—Our ways of life hold keys to saving many thousands of humans from cancer, a prominent scientist predicts.

Cancer Center, New York.

Cancer Center, New York.

Cancer Center, New York.

Dr. Heiler, former head of the

cancer causing agents in the American environment:

Unnecessary exposure to radiation, smoking, air pollution, some of the chemicals and some chemicals handled in industry and manufacturing.

It is generally considered that only 1 per cent of cancers can be blamed on environment access, he said in an interview at the fourth National Cancer Conference sponsored by the National Cancer institute and American Cancer by the National Cancer institute dissource this own lifetime there could come one to three drugs which can be used to thinks perhaps 15 to 20 per cancers.

Dr. Heller said that withink perhaps 15 to 20 per cancers.

Dr. Heller said that withink perhaps 15 to 20 per cancers.

Dr. Heller said that withink perhaps 15 to 20 per cancers.

The problem of determining with the mortality from lung cancer could be reduced by 20,000 lives a year.

Dr. Shimkin told the conference of 2,000 doctors and scientists.

Dr. Shimkin told the conference of 2,000 doctors and stentists of that Dr. Shimkin had made stimular charges before—'even though other scientists in the Notlonal Cancer Institute dissarge with him.''

Edward F. Ragland of Washington, vice president of the Tobacco Institute, added that Dr. Shimkin ingores the content of the tobacco industry quickly countered that Dr. Shimkin ingores the content of the tobacco industry quickly countered that Dr. Shimkin told the conference of 2,000 doctors and stentists.

Dr. Heller said that withing the conference of 2,000 doctors and stentists.

Dr. Heller said that withing the conference of 2,000 lives a year.

Dr. Shimkin told the conference of 2,000 lives a year.

Dr. Shimkin told

...

Dr. Heller listed five major fields for study of possible Ethesda, Md., foresees big. If Americans cancer causing agents in the American environment:

and then eliminate such causes, smoking tobacco.

causing cancer poses "a gen-uine dilemma." he added. This is particularly true for chemi-cals which produce cancers only occasionally in some species of animals, and under certain conditions.
The controversy over effects

of smoking on cancer susceptibility was raised again in the conference keynote speech by Dr. Michael B. Shimkin, chief Dr. Heller, former head of the of biometry for the National

> If Americans were to quit smoking tobacco, at least in

September 14, 1960

Big Strides in Cancer Research Foreseen

By PETER VANDERPOEL

chances of living are one in three today — but they could be one in two.
"With our per-



"With our present knowledge, alertness of the medical profes-sion and awareness on the part of the public, we could be saving 50 per cent of our cancer pa-

tients," the pres-Dr. Heller ident of Sloan-Kettering Memorial Cancer center, New York, said at the University of Minnesota today.

Dr. John R. Heller, for 12 Cancer institute, thinks this will decrease its cancer cases remission of country will see "awfully exciting work in cancer during the next decade."

individual's surroundings.

Like many other speakers and experts attending a three-day National Cancer conference at the university, Dr. Heller hails research advances and food admitted and pre-

He thinks the rate of cure in cancer — reported four years ago to have advanced from 25 to 33 per cent—is "perhaps creeping up, in small fractions," toward the 50 per cent goal.

decade by reducing mental causes of cancer.

By PETER VANDERPOEL Much of this progress he exStaff Writer pects to be in the environlif you contract cancer, your mental area — detecting and sa a cause of a common cancer

would be subjected by the subjec eliminating cancer causes in an such as leukemia, we would perhaps do better than 20 per cent," Dr. Heller ventures.

> on many fronts, but tempers servatives, for example—is at application with caution. tacking the disease before it begins, or preventive medicine.

> > On another front - treating cancer once its contract-ed-Dr. Heller expects drugs to play a big part.

"In my lifetime, one, two or three chemical agents -"Assuming reasonable prog-singly, in combination or with Dr. John R. Heller, for 12 ress." Dr. Heller makes an in-X-rays—will be major factors years director of the National formed guess that the country in bringing about permanent Cancer institute, thinks this will decrease its cancer cases remission of certain cancers,"

> But, he adds, remission is not curing, but arresting disease, says, researchers find that "we and drugs seem to be effective need much more information."

against only certain kinds of cancer.

ST: PAUL DISPATCH St. Paul, Minnesota

September 14, 1960

Dr. Heller emphasizes that doctors need to know much more about cancer and its life history. "We just don't know what happens if we let it alone."

The nation can use much more money for cancer re-search, he said. "We've been tooling up' for quite some time, and we can use increasing money in a legitimate, orderly fashion better than we could five years ago."

At every turn, Dr. Heller